

### **Abstract**

This invention concerns a biochip, consisting primarily of one or several dieplates and one or several substrates with or without probe immobilized, and comprising a maximized number of reactors, wherein: a. said maximization of said reactor number is performed by minimizing structure-covered area on the substrate and/or maximizing effective area on the substrate, wherein said structure is partition structure of the reactor and/or structure other than the reactor; and b. said partition structure is characteristically based on surface partition, hydrophobic surface partition, or height-difference partition.